

Docket No. AUS920010469US1

### ABSTRACT OF THE DISCLOSURE

# PCI MIGRATION SEMANTIC STORAGE I/O

A mechanism for initiating and completing one or more I/O transactions using memory semantic messages in a system area network is disclosed. Memory semantic messages are transmitted by means of a remote direct memory access (RDMA) operation; they are more akin to a memory copy than a simple "channel semantic" transmission of a message. The use of memory semantic input/output in this way facilitates the migration of input/output adapters from a memory-mapped interface, such as Peripheral Component Interconnect (PCI), to a system area network.